



# WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH611056

## A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION #

ILD000672139

GENERATOR NAME:

USEPA Region V Vulcan Louisville Fansteel

GENERATOR CODE (Assigned by Clean Harbors)

FA1480

CITY North Chicago

STATE/PROVINCE IL

ZIP/POSTAL CODE 60064

ADDRESS 1 Tantalum Place

PHONE: (312) 220-7000 x 26

CUSTOMER CODE (Assigned by Clean Harbors)

OT0184

CUSTOMER NAME:

OTIE

ADDRESS 100 West Monroe Street Suite 300

CITY Chicago

STATE/PROVINCE IL

ZIP/POSTAL CODE 60603

## B. WASTE DESCRIPTION

WASTE DESCRIPTION: Non Hazardous Water

PROCESS GENERATING WASTE:

Investigation Derived Waste

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER? No

## C. PHYSICAL PROPERTIES (at 25C or 77F)

<b>PHYSICAL STATE</b> SOLID WITHOUT FREE LIQUID POWDER MONOLITHIC SOLID <input checked="" type="checkbox"/> LIQUID WITH NO SOLIDS LIQUID/SOLID MIXTURE % FREE LIQUID % SETTLED SOLID % TOTAL SUSPENDED SOLID SLUDGE GAS/AEROSOL	<b>NUMBER OF PHASES/LAYERS</b> <input checked="" type="checkbox"/> 1 2 3 TOP 0.00 % BY VOLUME (Approx.) MIDDLE 0.00 BOTTOM 0.00			<b>VISCOSITY (If liquid present)</b> <input checked="" type="checkbox"/> 1 - 100 (e.g. Water) 101 - 500 (e.g. Motor Oil) 501 - 10,000 (e.g. Molasses) > 10,000	<b>COLOR</b> Colorless
	<b>ODOR</b> NONE <input checked="" type="checkbox"/> MILD STRONG Describe:		<b>BOILING POINT °F (°C)</b> <= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) <input checked="" type="checkbox"/> >= 130 (>54)	<b>MELTING POINT °F (°C)</b> < 140 (<60) 140-200 (60-93) > 200 (>93)	<b>TOTAL ORGANIC CARBON</b> <input checked="" type="checkbox"/> <= 1% 1-9% >= 10%
	<b>FLASH POINT °F (°C)</b> < 73 (<23) 73 - 100 (23-38) 101 - 140 (38-60) 141 - 200 (60-93) <input checked="" type="checkbox"/> > 200 (>93)	<b>pH</b> <= 2 2.1 - 6.9 <input checked="" type="checkbox"/> 7 (Neutral) 7.1 - 12.4 >= 12.5	<b>SPECIFIC GRAVITY</b> < 0.8 (e.g. Gasoline) 0.8-1.0 (e.g. Ethanol) <input checked="" type="checkbox"/> 1.0 (e.g. Water) 1.0-1.2 (e.g. Antifreeze) > 1.2 (e.g. Methylene Chloride)	<b>ASH</b> <input checked="" type="checkbox"/> < 0.1 0.1 - 1.0 1.1 - 5.0 5.1 - 20.0	<b>BTU/LB (MJ/kg)</b> <input checked="" type="checkbox"/> < 2,000 (<4.6) 2,000-5,000 (4.6-11.6) 5,000-10,000 (11.6-23.2) > 10,000 (>23.2) Actual:

## D. COMPOSITION

(List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	MAX	UOM
ALKALINITY	400.0000000	480.0000000	PPB
BARIUM			Trace
CHLORIDE	71.0000000	71.0000000	PPB
CIS-1,2-DICHLOROETHENE	22000.000000	22000.000000	PPB
ETHENE	15.0000000	15.0000000	PPB
METHANE	29.0000000	29.0000000	PPB
SULFATE	190.0000000	530.0000000	PPB
TOLUENE	3.0000000	3.0000000	PPB
TRANS-1,2-DICHLOROETHENE	230.0000000	230.0000000	PPB
TRICHLOROETHENE	64.0000000	64.0000000	PPB

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES NO

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES ☒ NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING: ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES ☒ NO

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material.

YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste.

YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS.

YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED.

YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. G44

SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. W101



## E. CONSTITUENTS

Are these values based on testing or knowledge?

Knowledge ☒ Testing

If constituent concentrations are based on analytical testing, analysis must be provided. Please attach document(s) using the link on the Submit tab.

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0				<input checked="" type="checkbox"/>
D005	BARIUM	100.0				<input checked="" type="checkbox"/>
D006	CADMIUM	1.0				<input checked="" type="checkbox"/>
D007	CHROMIUM	5.0				<input checked="" type="checkbox"/>
D008	LEAD	5.0				<input checked="" type="checkbox"/>
D009	MERCURY	0.2				<input checked="" type="checkbox"/>
D010	SELENIUM	1.0				<input checked="" type="checkbox"/>
D011	SILVER	5.0				<input checked="" type="checkbox"/>
<b>VOLATILE COMPOUNDS</b>						
D018	BENZENE	0.5				
D019	CARBON TETRACHLORIDE	0.5				
D021	CHLOROBENZENE	100.0				
D022	CHLOROFORM	6.0				
D028	1,2-DICHLOROETHANE	0.5				
D029	1,1-DICHLOROETHYLENE	0.7				
D035	METHYL ETHYL KETONE	200.0				
D039	TETRACHLOROETHYLENE	0.7				
D040	TRICHLOROETHYLENE	0.5				
D043	VINYL CHLORIDE	0.2				
<b>SEMI-VOLATILE COMPOUNDS</b>						
D023	o-CRESOL	200.0				
D024	m-CRESOL	200.0				
D025	p-CRESOL	200.0				
D026	CRESOL (TOTAL)	200.0				
D027	1,4-DICHLOROBENZENE	7.5				
D030	2,4-DINITROTOLUENE	0.13				
D032	HEXACHLOROBENZENE	0.13				
D033	HEXACHLOROBUTADIENE	0.5				
D034	HEXACHLOROETHANE	3.0				
D036	NITROBENZENE	2.0				
D037	PENTACHLOROPHENOL	100.0				
D038	PYRIDINE	5.0				
D041	2,4,5-TRICHLOROPHENOL	400.0				
D042	2,4,6-TRICHLOROPHENOL	2.0				
<b>PESTICIDES AND HERBICIDES</b>						
D012	ENDRIN	0.02				
D013	LINDANE	0.4				
D014	METHOXYCHLOR	10.0				
D015	TOXAPHENE	0.5				
D016	2,4-D	10.0				
D017	2,4,5-TP (SILVEX)	1.0				
D020	CHLORDANE	0.03				
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008				

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			<input checked="" type="checkbox"/>
CHLORINE			<input checked="" type="checkbox"/>
FLUORINE			<input checked="" type="checkbox"/>
IODINE			<input checked="" type="checkbox"/>
SULFUR			<input checked="" type="checkbox"/>
POTASSIUM			<input checked="" type="checkbox"/>
SODIUM			<input checked="" type="checkbox"/>
AMMONIA			<input checked="" type="checkbox"/>
CYANIDE AMENABLE			<input checked="" type="checkbox"/>
CYANIDE REACTIVE			<input checked="" type="checkbox"/>
CYANIDE TOTAL			<input checked="" type="checkbox"/>
SULFIDE REACTIVE			<input checked="" type="checkbox"/>

**HOCs**  
☒ NONE  
☐ < 1000 PPM  
☐ >= 1000 PPM

**PCBs**  
☒ NONE  
☐ < 50 PPM  
☐ >=50 PPM  
  
IF PCBs ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?  
YES ☐ NO ☒

## ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES ☒ NO (If yes, explain)

## CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES

EXPLOSIVE

FUMING

OSHA REGULATED CARCINOGENS

POLYMERIZABLE

RADIOACTIVE

REACTIVE MATERIAL

☒ NONE OF THE ABOVE



**F. REGULATORY STATUS**

YES	<input checked="" type="checkbox"/>	NO	USEPA HAZARDOUS WASTE?	
YES	<input checked="" type="checkbox"/>	NO	DO ANY STATE WASTE CODES APPLY?	
			Texas Waste Code	
YES	<input checked="" type="checkbox"/>	NO	DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?	
YES	<input checked="" type="checkbox"/>	NO	IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?	
			LDR CATEGORY:	<b>Not subject to LDR</b>
			VARIANCE INFO:	
YES	<input checked="" type="checkbox"/>	NO	IS THIS A UNIVERSAL WASTE?	
YES	<input checked="" type="checkbox"/>	NO	IS THE GENERATOR OF THE WASTE CLASSIFIED AS CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR (CESQG)?	
YES			IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?	
YES	<input checked="" type="checkbox"/>	NO	DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?	
YES			IS THIS WASTE STREAM SUBJECT TO THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?	
YES	<input checked="" type="checkbox"/>	NO	DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?	
YES			DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?	
YES	<input checked="" type="checkbox"/>	NO	DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 77 KPA (11.2 PSIA)?	
YES	<input checked="" type="checkbox"/>	NO	IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?	
YES	<input checked="" type="checkbox"/>	NO	IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?	
			Hazardous Organic NESHAP (HON) rule (subpart G)	Pharmaceuticals production (subpart GGG)
YES		NO	IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?	
YES		NO	Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?	
YES		NO	Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?	
			What is the TAB quantity for your facility?	
				Megagram/year (1 Mg = 2,200 lbs)
			The basis for this determination is: Knowledge of the Waste Or Test Data	Knowledge      Testing
			Describe the knowledge :	

**G. DOT/TDG INFORMATION**

DOT/TDG PROPER SHIPPING NAME:

**NONE, NON HAZARDOUS, NON D.O.T. REGULATED, N/A**
**H. TRANSPORTATION REQUIREMENTS**

ESTIMATED SHIPMENT FREQUENCY ☒ ONE TIME    WEEKLY    MONTHLY    QUARTERLY    YEARLY    OTHER

<input checked="" type="checkbox"/> <b>CONTAINERIZED</b>		<b>BULK LIQUID</b>		<b>BULK SOLID</b>	
1-5 CONTAINERS/SHIPMENT		GALLONS/SHIPMENT: 0 Min - 0 Max		SHIPMENT UOM:      TON      YARD	
STORAGE CAPACITY: 5				TONS/YARDS/SHIPMENT: 0 Min - 0 Max	
CONTAINER TYPE:					
CUBIC YARD BOX      PALLET					
TOTE TANK <input checked="" type="checkbox"/> DRUM					
OTHER:      DRUM SIZE: 55					

**I. SPECIAL REQUEST**

COMMENTS OR REQUESTS:

**GENERATOR'S CERTIFICATION**

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE

NAME (PRINT)

TITLE

DATE

  
for USEPA

Syed M. Qureshi

Remedial Project Manager

2/12/13